AB The loss of **pendimethalin** in runoff water was determined on sandy-clay-loam soil plots cultivated with tobacco in relation with the use of ammonium nitrate limestone as **fertilizer**. The surface slope of plots was 11% and the use of **fertilizer** decreased the soil erosion from 617 to 320 g/m2. The runoff of surface water was 16-24% of the rainfall. Reduction in **pendimethalin** in waterways results from water loss by infiltration, sediment loss, and by adsorption on vegetation and organic matter. Surface runoff levels were highest for the first runoff event after herbicide application, 1.5 g/10 m2 and initial concns. were related to the time lapse between herbicide application and the first run-off event. Maximum concns. were 8.54 μg/L. Persistence studies showed that **pendimethalin** concentration in runoff from 0.5 cm soil layer decreased by 88.2%, from 2.46 to 0.29 μg/g within 233 days and by 87.6%, from 2.42 to 0.30 μg/g within 235 days. After 310 day the concentration of **pendimethalin** was only 0.1 μg/g.

L23 ANSWER 13 OF 69 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1995:716898 HCAPLUS Full-text
DOCUMENT NUMBER: 123:111070
TITLE: Granular **fertilizer** containing prodiamines
INVENTOR(S): Koko, Toshuki; Matsumoto, Naoki; Baba, Masanori; Kawashima, Mitsuo; Tada, Fumiko; Ooiwamoto, Masaki; Hayakawa, Norihito
PATENT ASSIGNEE(S): Nissan Chemical Ind Ltd, Japan; Sds Biotech Corp
SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07109193	A	19950425	JP 1993-280476	19931014 <--
JP 3401622	B2	20030428		

PRIORITY APPLN. INFO.: JP 1993-280476 19931014 <--

AB **Fertilizer** granules are impregnated with solution containing herbicidal 5-dipropylamino-α,α,α-trifluoro-4,6-dinitro-o-toluidine and mixed with white carbon. In the manufacturing process, the granules do not create problems of dusting and caking. Drying process is not needed.

L23 ANSWER 14 OF 69 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1995:716897 HCAPLUS Full-text
DOCUMENT NUMBER: 123:111069
TITLE: Granular **fertilizer** containing pesticides
INVENTOR(S): Koko, Toshuki; Matsumoto, Naoki; Baba, Masanori; Kawashima, Mitsuo; Tada, Fumiko; Ooiwamoto, Masaki; Hayakawa, Norihito
PATENT ASSIGNEE(S): Nissan Chemical Ind Ltd, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

JP 07109192	A	19950425	JP 1993-257123	19931014 <--
JP 3389650	B2	20030324		

PRIORITY APPLN. INFO.: JP 1993-257123 19931014 <--

AB **Fertilizer** granules are impregnated or coated with solution containing pesticide 5-dipropylamino-α,α,α-trifluoro-4,6-dinitro-o- toluidine or S,S'-dimethyl-2-difluoromethyl-4-isobutyl-6- trifluoromethylpyridine-3,5-dicarbothioate, and mixed with white carbon. In the manufacturing process, the granules do not create problems of dusting and caking. Drying process is eliminated.

L23 ANSWER 15 OF 69 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1995:543691 HCAPLUS Full-text
DOCUMENT NUMBER: 122:289898
TITLE: Ammonium sulfate **fertilizer** impregnated with liquid herbicides of different compositions and the method of impregnation
INVENTOR(S): Fischbein, Milton; Carrothers, Daniel H.
PATENT ASSIGNEE(S): Incitec, Ltd., Australia
SOURCE: Can., 30 pp.
CODEN: CAXXA4
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CA 1333224	C	19941129	CA 1988-584340	19881128 <--

PRIORITY APPLN. INFO.: US 1987-126919 A 19871130 <--

AB The present invention relates to processes for impregnating a **fertilizer** with liquid agricultural treatment compns., and to **fertilizers** impregnated with liquid agricultural treatment compns. More specifically, the present invention relates to the impregnation of a **fertilizer** with previously unattainable amts. of a liquid agricultural chems., such as herbicides, and the resulting herbicide-impregnated **fertilizers** are described. The **fertilizer** composition contained free-flowing granular **ammonium sulfate**, having a Pfizer hardness of > 5.0 lbs. and a pH ≤ 4.0, and being impregnated with a liquid or emulsifiable herbicide. The emulsifiable concs. were selected from the group consisting of Avadex BW® (triallate), Edge EC® (ethafluralin), EPTC, EPTC + R-25788 + R-33865, Butylate, Butylate + R-25788, cyanazine, trifluralin, **pendimethalin**, metribuzin, 2,4-D, atrazine, and mixts. thereof.

L23 ANSWER 16 OF 69 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1994:598517 HCAPLUS Full-text
DOCUMENT NUMBER: 121:198517
TITLE: Trisert-CB (26-0-0-0.5B) **fertilizer** solution as a carrier for insecticides.
AUTHOR(S): Clapp, J. G. Jr.; Parham, T. M. Jr.
CORPORATE SOURCE: AFE Consulting, Greensboro, NC, USA
SOURCE: Proceedings - Beltwide Cotton Conferences (**1994**), (VOL. 2), 951-2
CODEN: PCOCEN; ISSN: 1059-2644
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Seven liquid insecticides mixed with Trisert-CB (**fertilizer** solution containing triazone N and B) in the lab showed phase separation, but the blend could be re-established with min. separation Trisert-CB showed better phys. compatibility with insecticides than urea. In the field, Trisert-CB was